

Dynamic Web Forms

white paper

Dynamic Web Forms

- Simply designing web applications in SAP
- SAP NetWeaver Add-On
- OCI Support

SAP® Certified
Powered by SAP NetWeaver®

beNeering
BUSINESS ENGINEERING



COMPANY PROFILE

As an independent software vendor (ISV) BeNeering develops innovative shopping solutions based on SAP SRM. BeNeering is specialized in SAP consulting and software architecture and is geared to best-practice-standards.

Business engineering by BeNeering means analytical solutions and innovative products. BeNeering disposes of a large reference portfolio of successfully implemented international template- and roll-out-projects.

Dynamic Web Forms

Web applications for SAP SRM and SAP ECC

Ordering complex services or products with Dynamic Web Forms is just easy and efficient. This solution facilitates both, purchase and IT processes. Dynamic Web Forms guarantee especially user satisfaction as intuitive handling was constantly focused during it's development.

There are three possibilities to order complex products - for example IT-needs, catering or company vehicles: classic catalog orders, which are static and therefore not suitable, standard text fields, which are hard to evaluate and finally forms.

THE CHALLENGE

BeNeering's founder Christoph Moll discovered the advantages of forms when he visited a key account seven years ago. "This company used forms to purchase services and complex products", remembers Moll. About 100 forms were used for different products and categories. "There was even a form to order flowers". But there was one hitch with these forms: Due to the specifications of the demanding department each of the forms had to be developed and implemented by the IT section. "This is quite cost intensive", says Moll, "Concerning the development dimension we talk about man days." The idea was born: Wouldn't it be great to have a flexible framework, that offers easily configurable forms, which hands the data in a structured way to SAP – and even not only for the purchase division?

The screenshot displays the BeNeering web application interface. At the top, there is a 'Shopping Cart Preview' section with a table listing items:

Description	Quantity	Material	Category	Supplier	Price	Proctind	Currency	Order Unit
Company Car Order	1	A6 Avant	Vehicles			1	EUR	Piece
Fuel Card	1	1000330	Vehicle Equipment	ARAL			EUR	Piece
Fuel Card	1	1000332	Vehicle Equipment	ESSO			EUR	Piece

Below the cart preview, there are two main sections: 'Step 1 (Basic Data)' and 'Step 2 (Car Details)'. 'Step 1' contains form fields for User ID, Name, E-mail address, Phone number, Inhouse mail address, and Home address. 'Step 2' includes a 'Select manufacturer' dropdown (set to Audi), a 'Select model' dropdown (set to A6 Avant), and an image of a white Audi A6 Avant. Below the image, there is a 'Select fuel type' dropdown and a table for entering the net price:

Lower Bound	Price	Product
	0.00	1

At the bottom of Step 2, there is a field for 'Enter car license plate'.

EASY TO USE

Dynamic Web Forms guides the user in the SAP system

THE SOLUTION

Dynamic Web Forms are born out of this thought: The Framework is developed in ABAP WebDynpro technology and is based on SAP-standards. Dynamic Web Forms doesn't require additional hardware. It can be directly implemented on the existing SAP-infrastructure of the client.

The base concept is simple: An employee fills a form with all the data the system needs to serve the purchaser order of a service or a product. The order can only be completed, if all necessary informations were given. If an employee wants order meals and drinks for a business meeting, the system needs to know when and where food and drinks are needed and how many participants the meeting will have. The system directly reacts on the number of participants and displays only as many guest fields as participants for the meeting are selected.

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In Wagen legen

Appetito Bewirtungsschein mit Verpflegung


Organisatorische Daten
Bitte Bewirtungen immer mit einem Vorlauf von min. einem halben Tag beauftragen.

Tag der Bewirtung

Datum: 14.05.2012
Uhrzeit Stunde: 11
Uhrzeit Minute: 15

Ort der Bewirtung

Gebäude / Bereich: Technoparc
Raum: Raum 2



Steuerlich relevante Daten - Intern
Aus steuerlichen Gründen sind die folgenden Eingaben obligatorisch. ->>

Teilnehmer Intern

Anzahl Personen Intern: 6

Person 1	Tom Sawyer
Person 2	Jerry Hawkins
Person 3	Ben Mustermann
Person 4	
Person 5	
Person 6	

Steuerlich relevante Daten - Extern
Bitte für externe Teilnehmer hier die Daten eintragen. ->>


Teilnehmer Extern

Anzahl Personen Extern: 06

Person 1	Anke Wiedeking
Person 2	Engelbert Schneider
Person 3	Haral Jones
Person 4	
Person 5	
Person 6	

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In Wagen legen

Visitenkarte


Spezifikation

Beschreibung: Visitenkarte - BeN - 85 x 45

Währung: EUR

Bestelleinheit: Stück

Menge: 50

Ab	Preis	Pr-Einheit
50	34,55	50
100	66,78	100
250	78,21	250

Materialgruppe: Printmedien

Lieferant: BeNeering

Kommentar für den Lieferanten

Lieferantentext:

Personalisierung

Titel: MSc

Anrede: Mr.

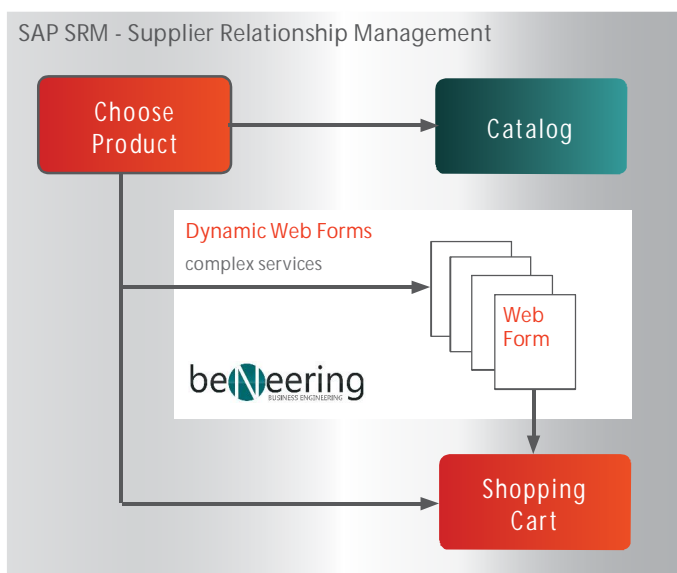
Nachname: Christoph

Vorname: Moll

Position: Product Manager

Hersteller: Druckhaus Berlin

“Operator convenience had highest priority. The user should remain concentrated on his order – not on our form“, says Christoph Moll. Therefore the form interface is geared to common web shop standards. Passing from the catalog to the order form is seamless: If the operator chooses a complex and configurable product in the catalog, the order form will be shown in the next window. The build-in validity check – written in BAdI – verifies the format of the data entered. This is important while dealing with car registration numbers or phone numbers, as these can be stored in different ways in the client’s system. This technique eliminates error sources: The user doesn’t need to know the right spelling, because the system knows. Once all mandatory fields are filled in, Dynamic Web Forms stores these informations in a structured way in a standard text field. This ensures that all necessary order data can be further processed without any problem.



The concept works, says Barbara Ruetti, Regional Buyer SAP (Suisse) AG: „The orders run themselves and there are almost no more further inquiries since the new catalogue was installed“

INTUITIVE USER INTERFACE

increases employee's productivity

SAP Switzerland and SAP Germany use Dynamic Web Forms to order company cars. The former ordering process was so complex, that users had to deal with a documentation of several pages. This caused frustration and arguments between the purchasing department and the colleagues of the other divisions. "The new catalog is well-arranged, user friendly and self-explanatory. The additional links and supplementary informations are very helpful as well", confirms Barbara Ruetti. Due to Dynamic Web Forms the purchasing division can efficiently and safely delegate the orders of company vehicles to their colleagues. This is not only helpful for the purchasing department, but it increases as well the employee's satisfaction:

"The previous outlay could be massively reduced. The staff is happy and me, too", resumes Barbara Ruetti.

Dynamic Web Forms are good news for the IT department too: The forms can be comfortably maintained with an Excel-based tool. Even non-experts easily can do this. That means the development and the maintenance of the forms can be directly done by the concerned departments – and no longer by the IT division. This means not only less work at the IT department – new requests can be served much faster than before, too. Because within several minutes the responsible colleagues can change form parameters themselves, instead of sending time costly internal requests to the IT.

The screenshot displays the EasyBuy web application. At the top, there's a shopping cart icon and the 'EasyBuy' logo. Below the logo, a table lists items in the cart:

Item	Description	Delivery Date	Spend Category	Quantity	Unit	Price	Per	Currency
0000000001	test item	19.09.2012	Communication Test	5	EA	899,00	1	EUR
0000000002	test item 2		Packaging Evaluation Test	0,000		0,00	0	EUR

Summary values on the right:

- Total Net Value: 4.595,00
- Total Tax: 0,00
- Total Gross Value: 4.595,00

Below the cart, there's a search bar with the text 'test' and a 'Search' button. Navigation links include 'Home', 'Check', 'Save', 'Exit', 'Continue Shopping', and 'Order'.

The main section is titled 'Header Information' and contains a 'Request' form with fields for:

- Document Number: 0010013804
- Document Name: S15_0620 11.09.2012 16:35
- Document Status: In Process
- Requester: SRM Test user 29
- PO Output Decision: Send PO (Default)

There are also links for 'Approval Preview' and 'Copy selected item to Clipboard'. To the right, there's a section for 'Internal Notes & Attachments' with links for 'Supplier Text', 'Competitive Bidding', and 'Competitive Bidding Compliance Indicator'. A 'Comments' field is also present.

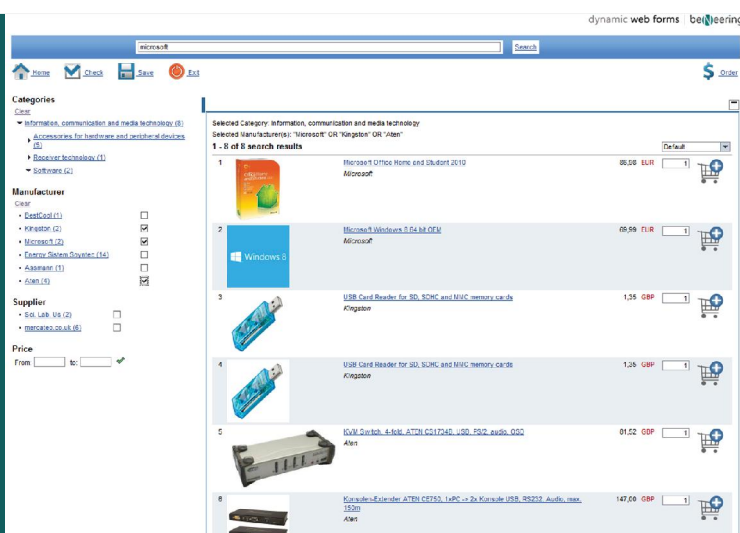
The bottom section is titled 'Item Information (according to selected item)' and contains fields for:

- Description: test item
- Delivery Date: 19.09.2012
- Quantity: 5
- Purchasing Group: 003
- Spend Category: 5020031
- Supplier (SAP):

„The benefits of Dynamic Web Forms isn't limited to ordering forms“, says Christoph Moll, “this product simplifies any process anywhere you need to do input into SAP“.

Using Dynamic Web Forms in a supplier portal offers completely new possibilities. For example suppliers can be asked to enter confirmations of orders and goods receipts for existing orders directly into their client's SAP. The supplier confirms the order and adds important informations like delivery time and availability by a form.

“Dynamic Web Forms is interesting for all users, who develop own forms or still do complex input into the system manually.”



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